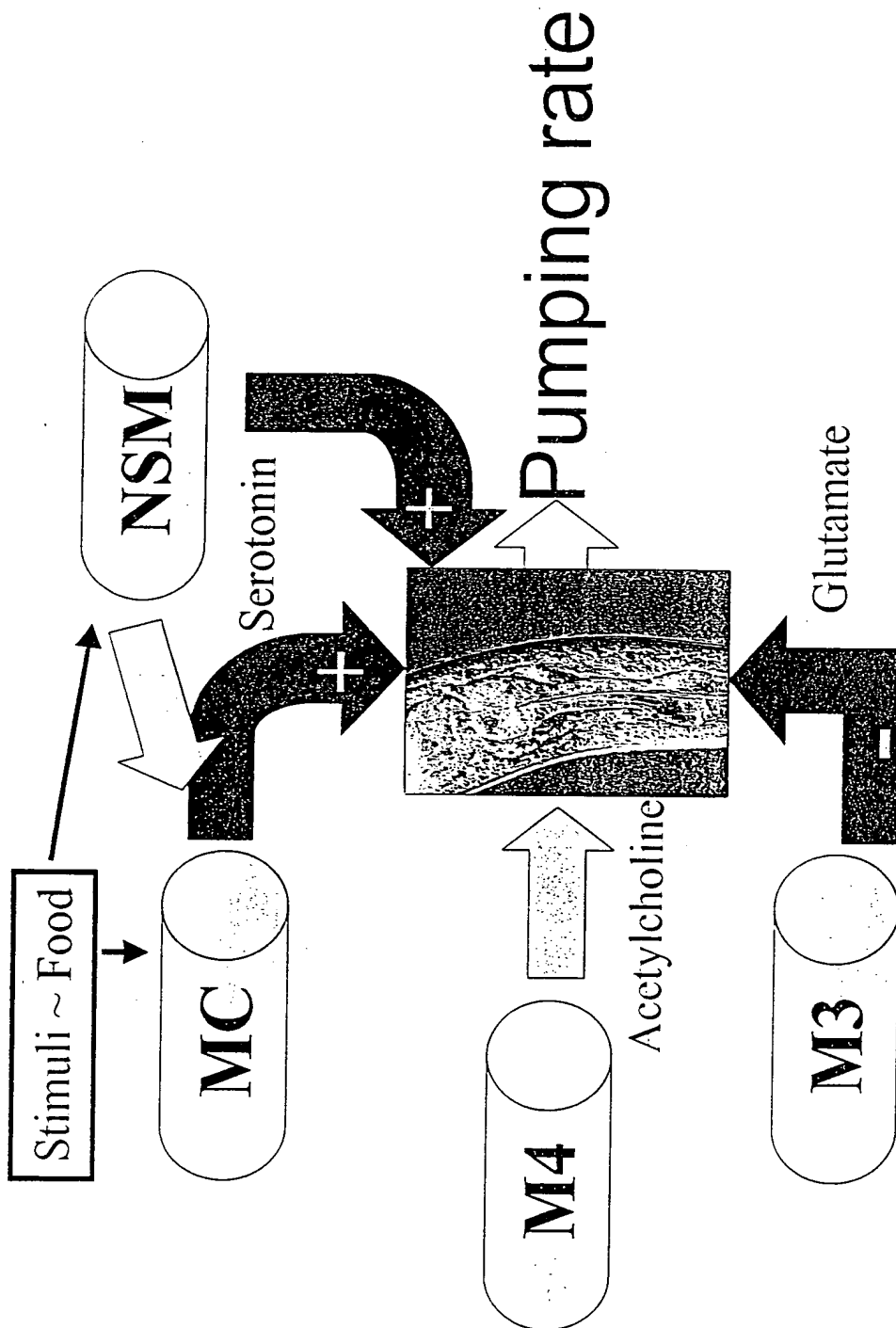


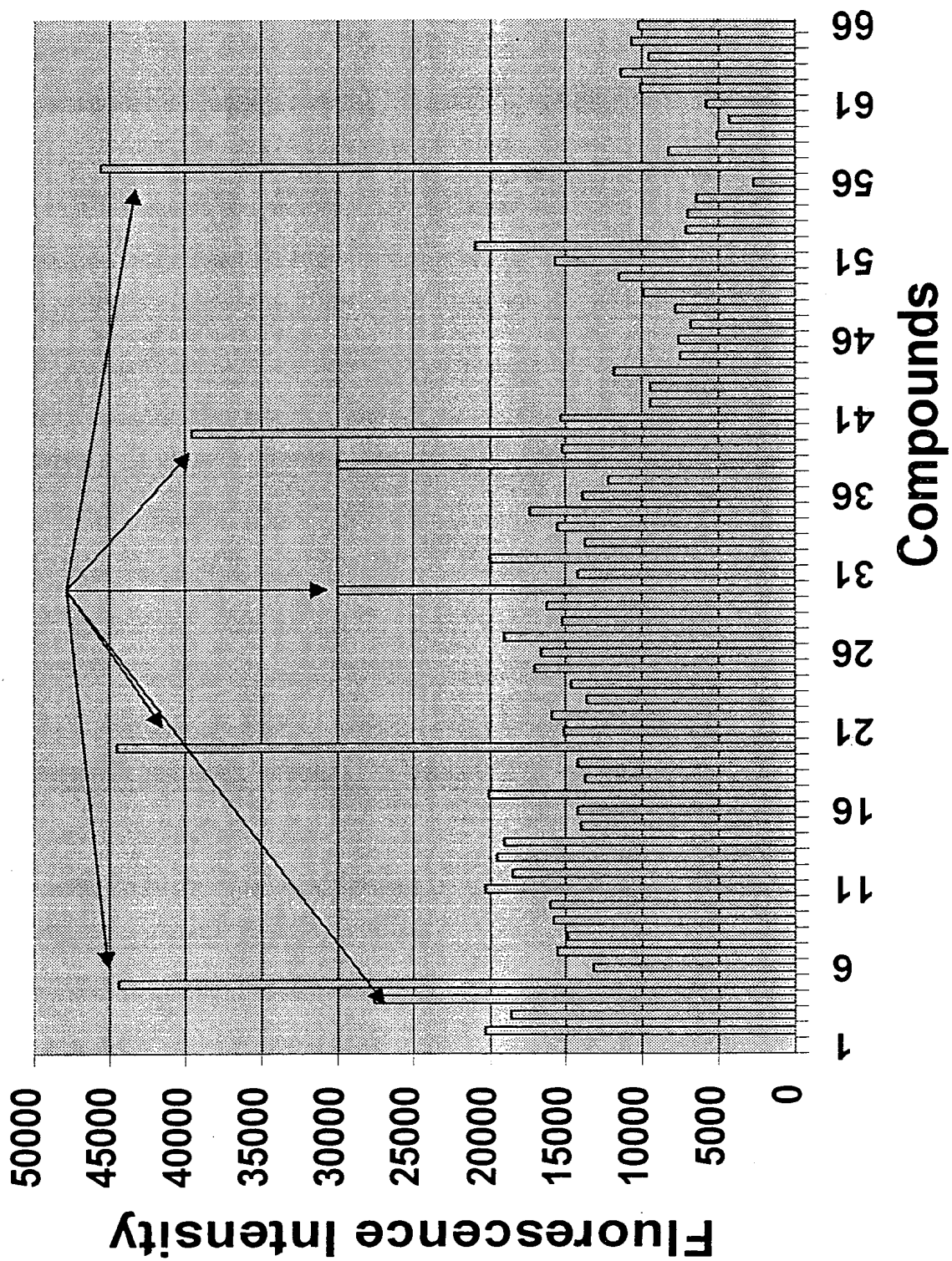
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FIG. 1



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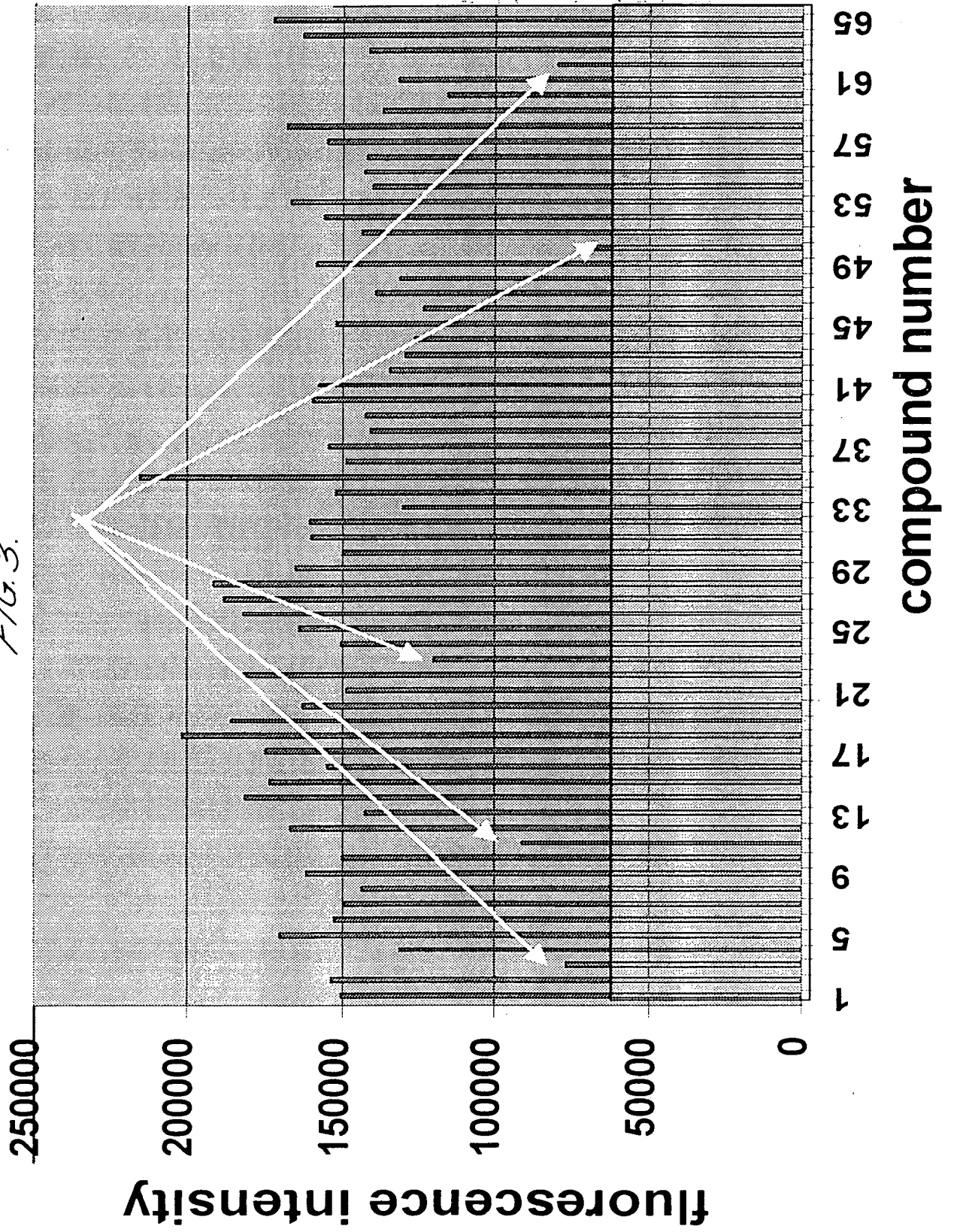
FIG. 2.



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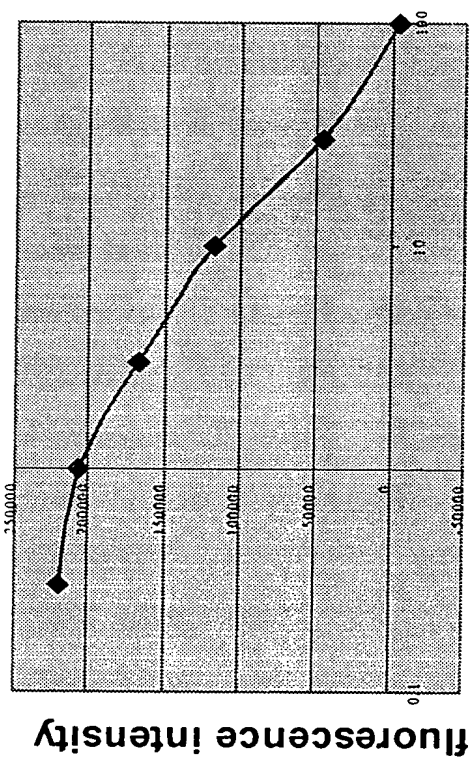
FIG. 3.



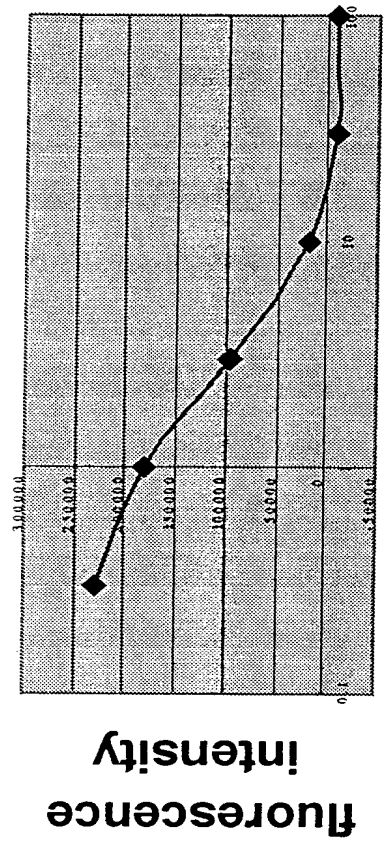
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FIG. 4.

Effect of Tamoxifen



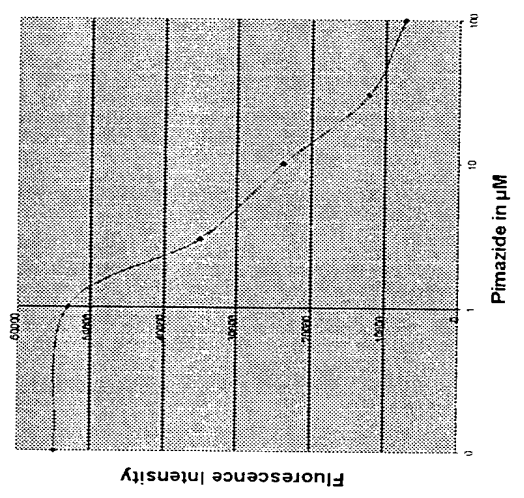
Effect of BP554

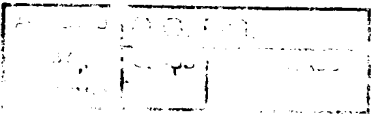


concentration of tamoxifen in  $\mu\text{M}$

concentration in  $\mu\text{M}$

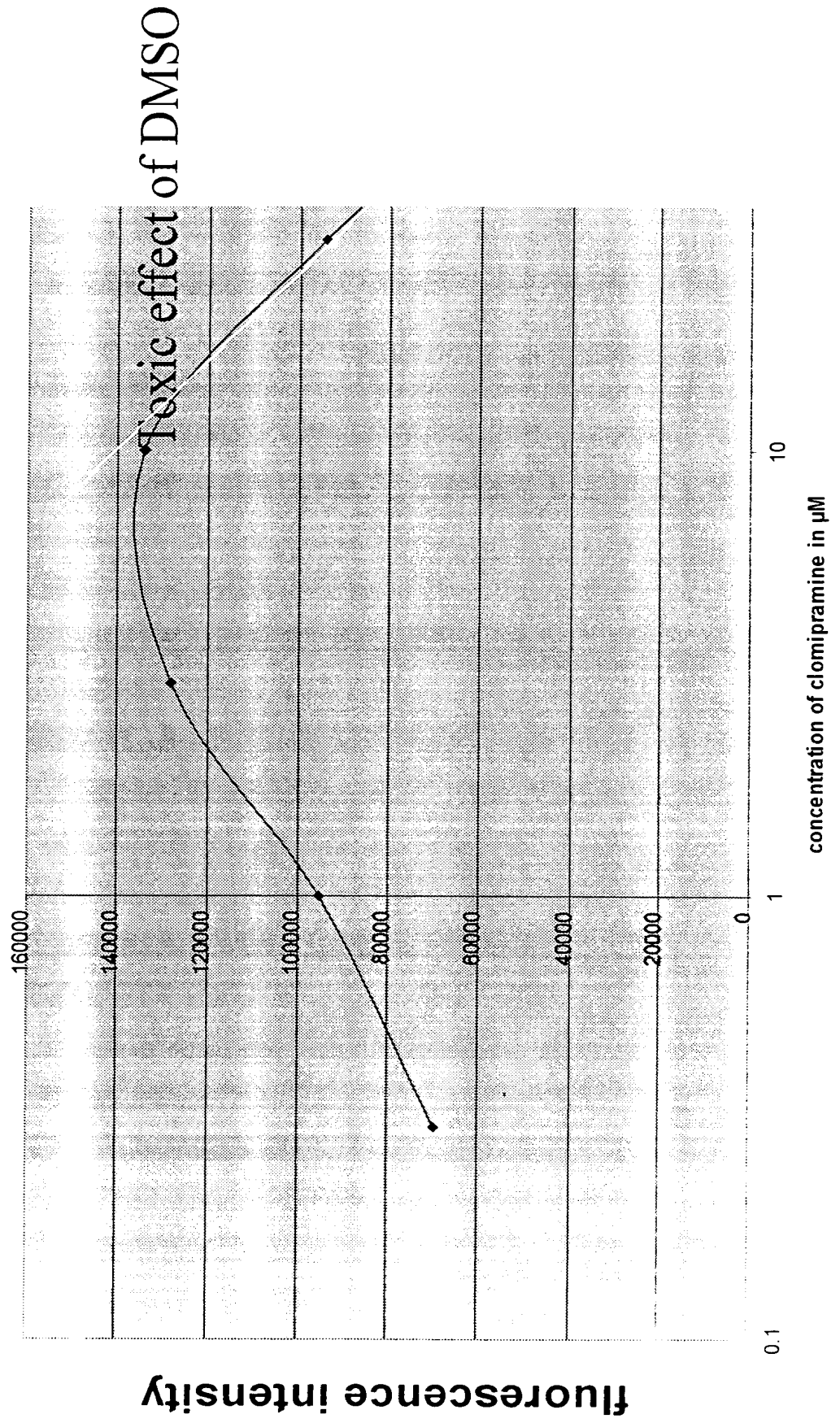
Effect of Pimazide on Pumping in HD8





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FIG. 5.  
Effect of Clomipramine

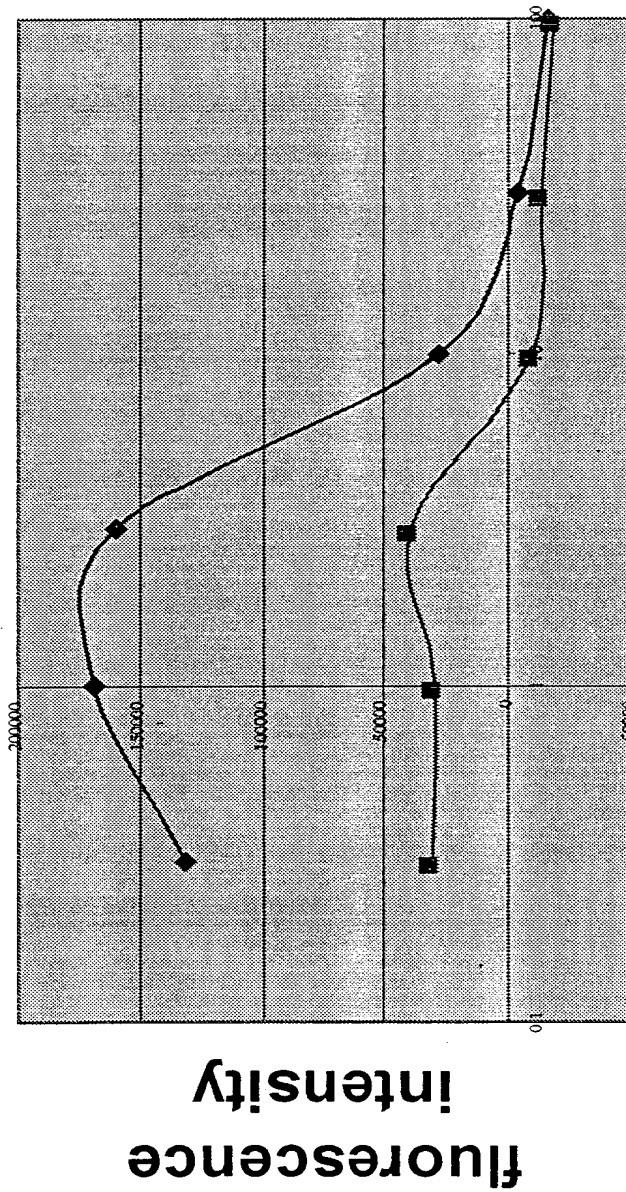




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FIG. 6.

effect of thapsigargin on drinking in N2  
and HD8

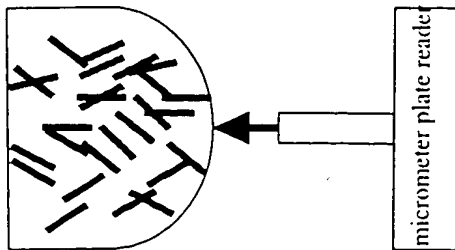


concentration of thapsigargin in  $\mu\text{M}$

FIG. 7.

**Movement**

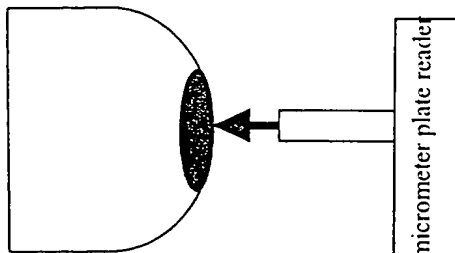
Worms in solution



micrometer plate reader

**No- movement**

Precipitated worms



micrometer plate reader

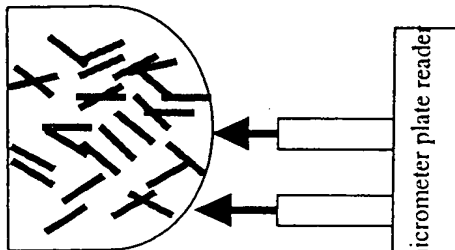
Signal detection:

Low Optical Density

High Optical Density

**Movement**

Worms in solution



micrometer plate reader

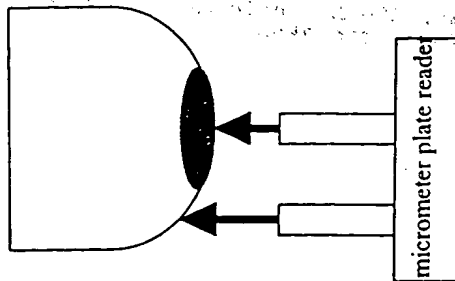
Low Optical Density

Versus

Low Optical Density

**No- movement**

Precipitated worms



micrometer plate reader

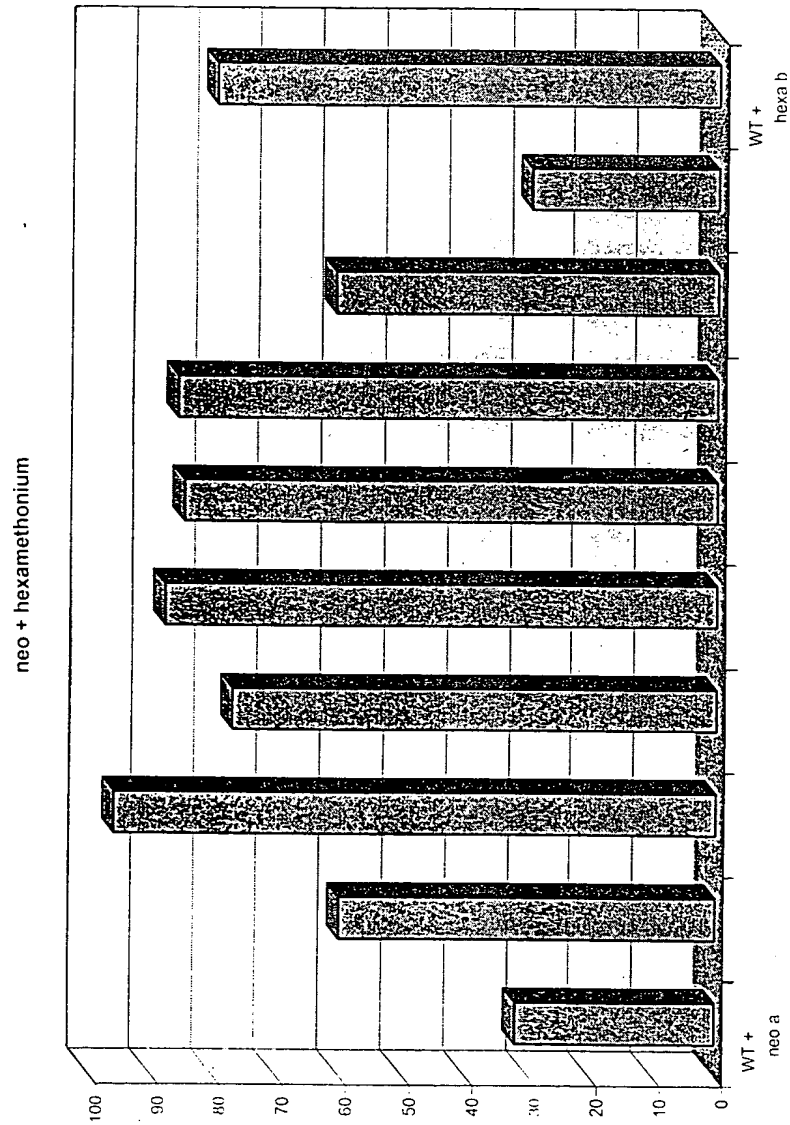
High Optical Density

Versus

Low Optical Density

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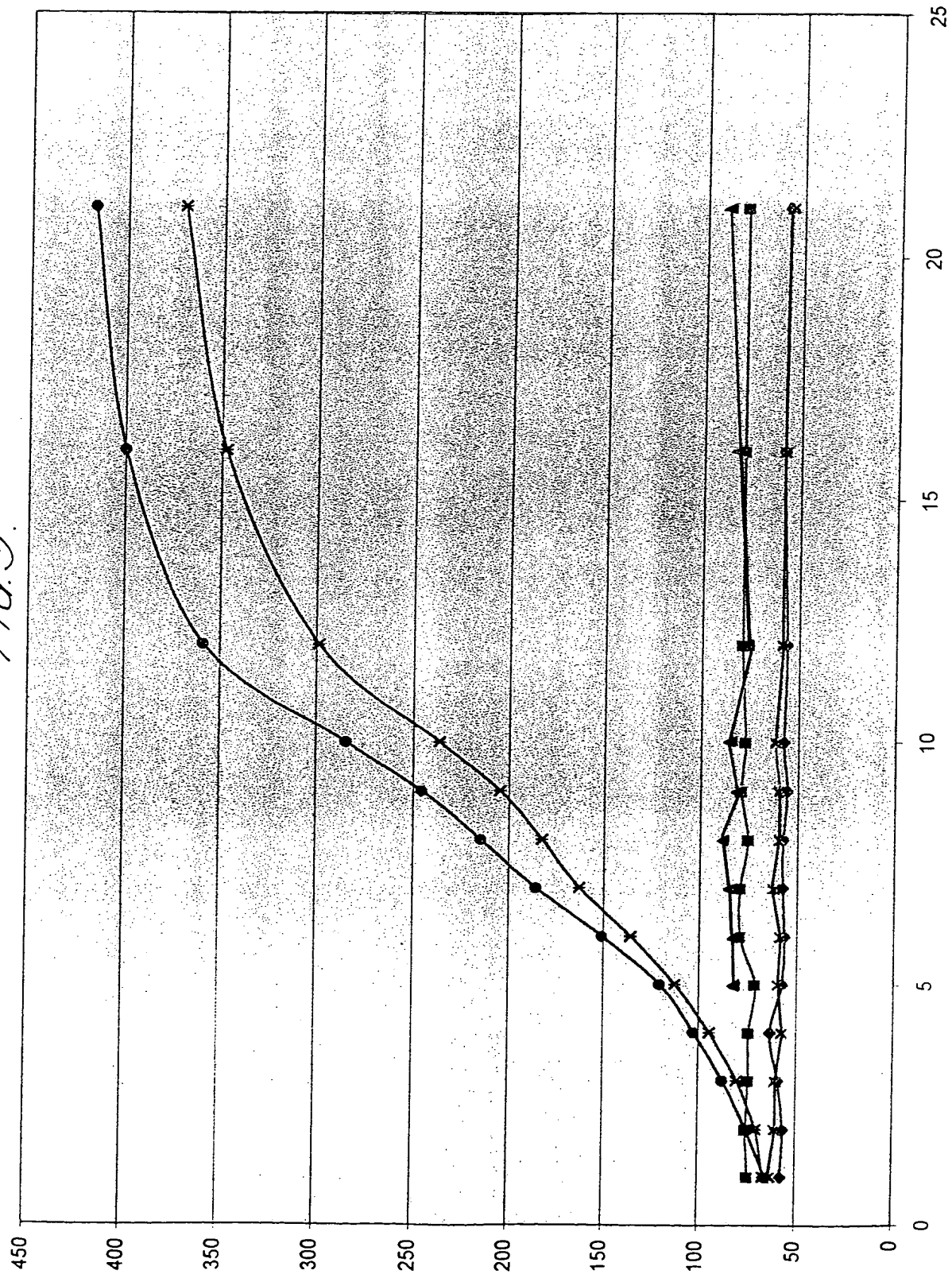


*WT + neo a + increased C. of hexa b*

FIG. 8.



FIG. 9.

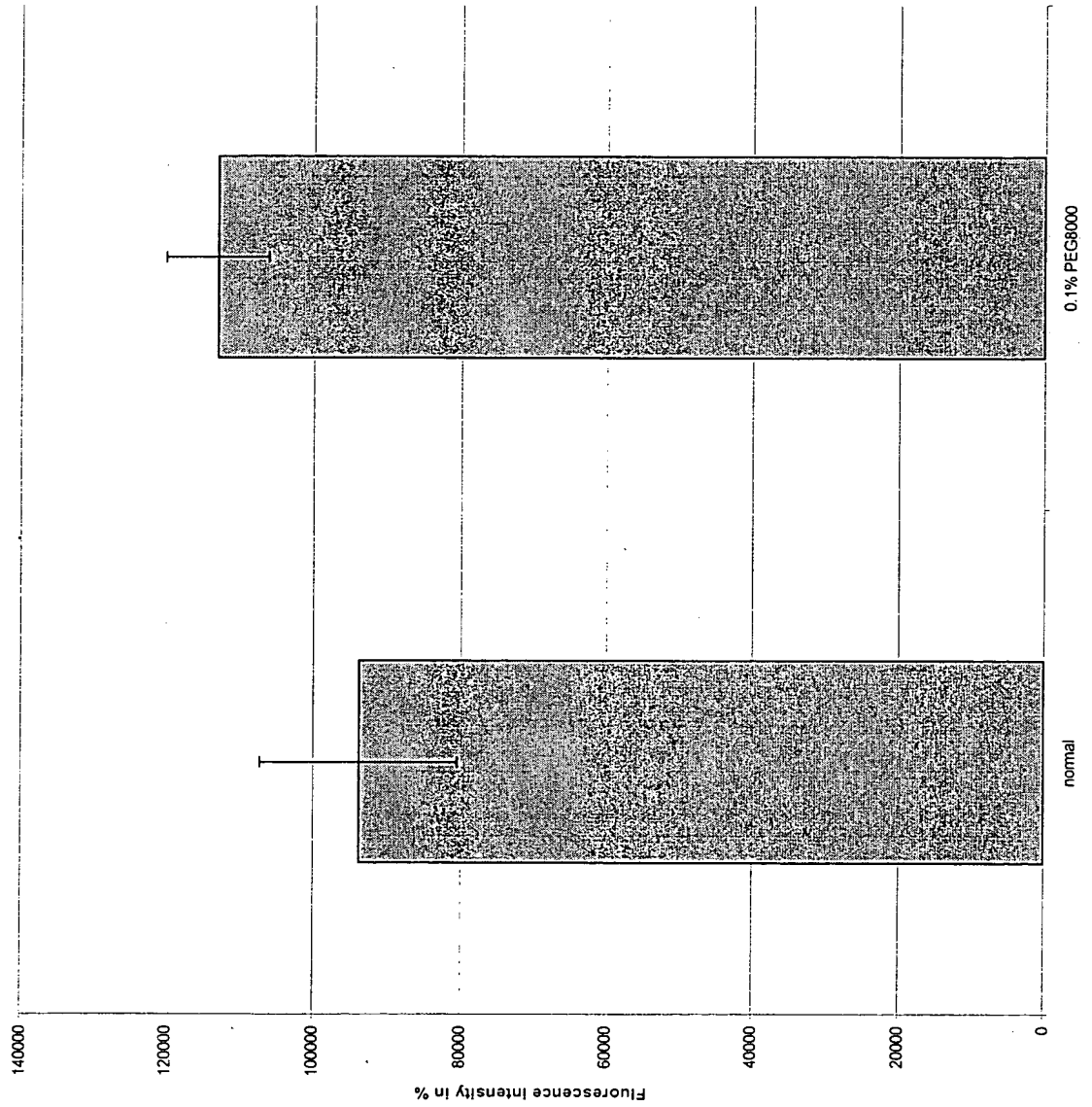


Series1  
Series2  
Series3  
Series4  
Series5  
Series6

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FIG. 10.

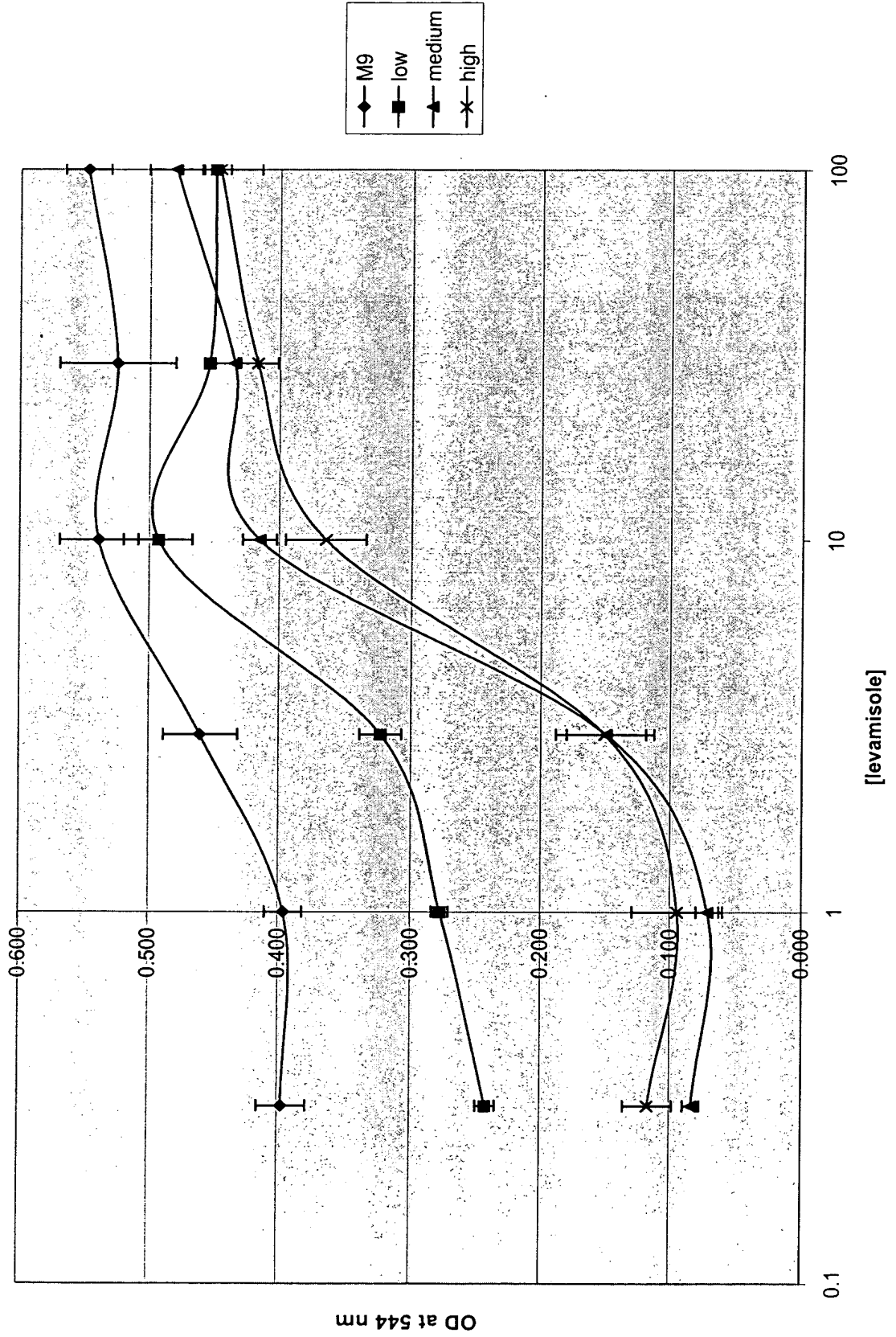
Pumping experiment in absence and presence of PEG8000



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FIG. 11. Movement assay OD according to viscosity



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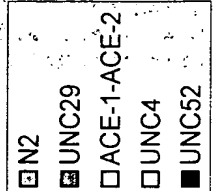
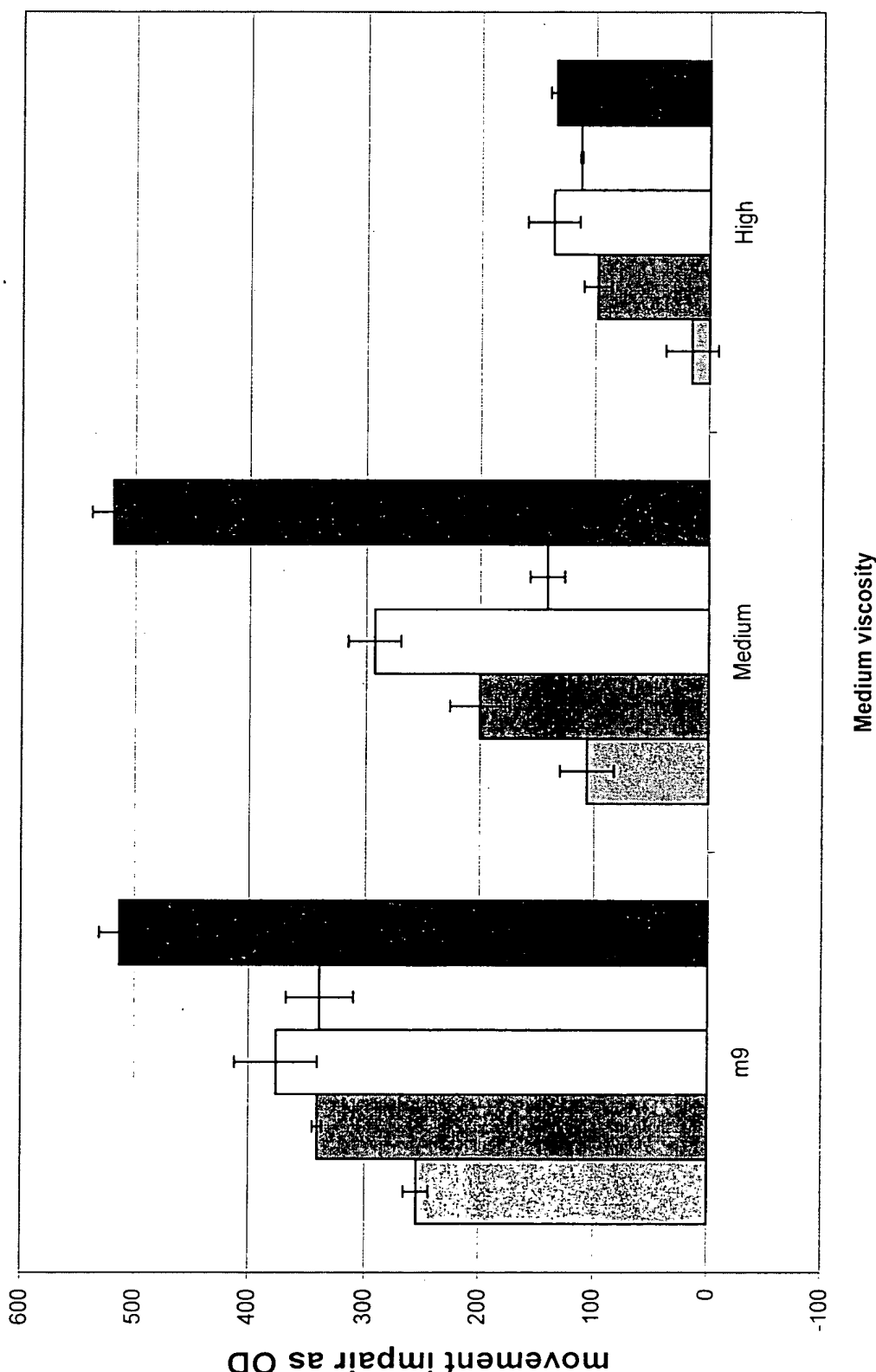


FIG. 12. Motility assay according to Uncness



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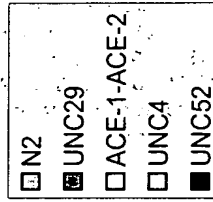
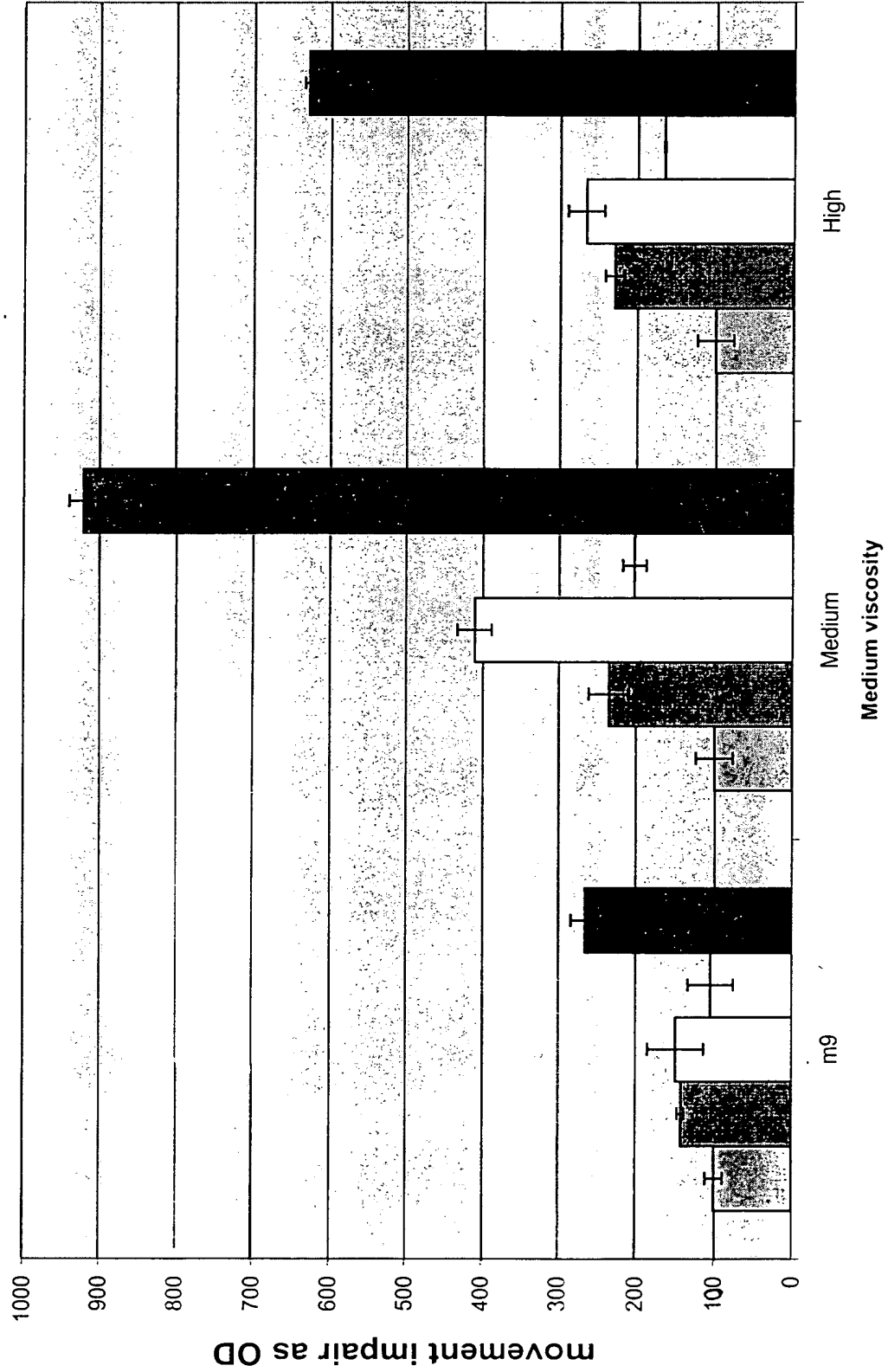
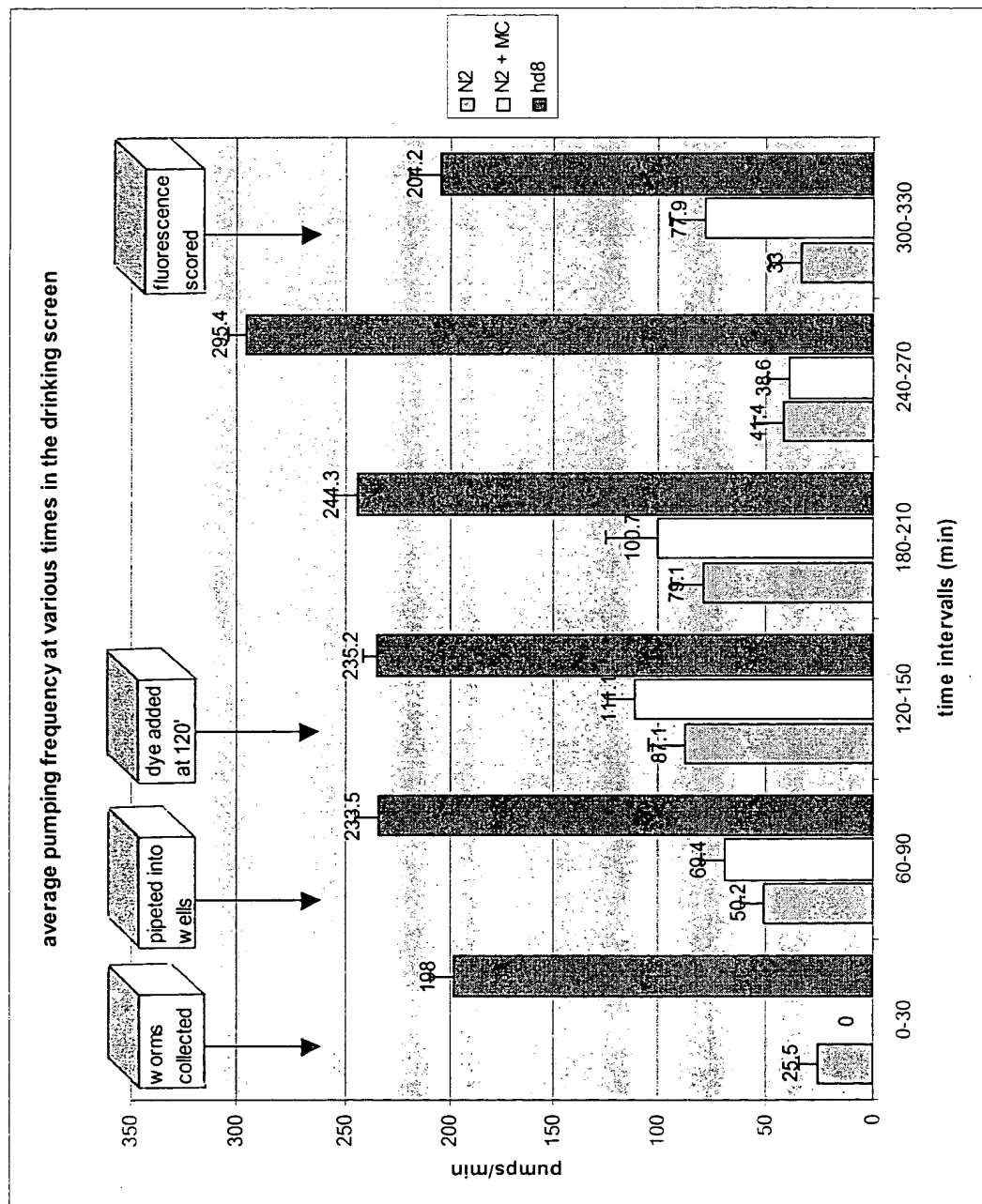


FIG. 13. Motility assay according to Uncness



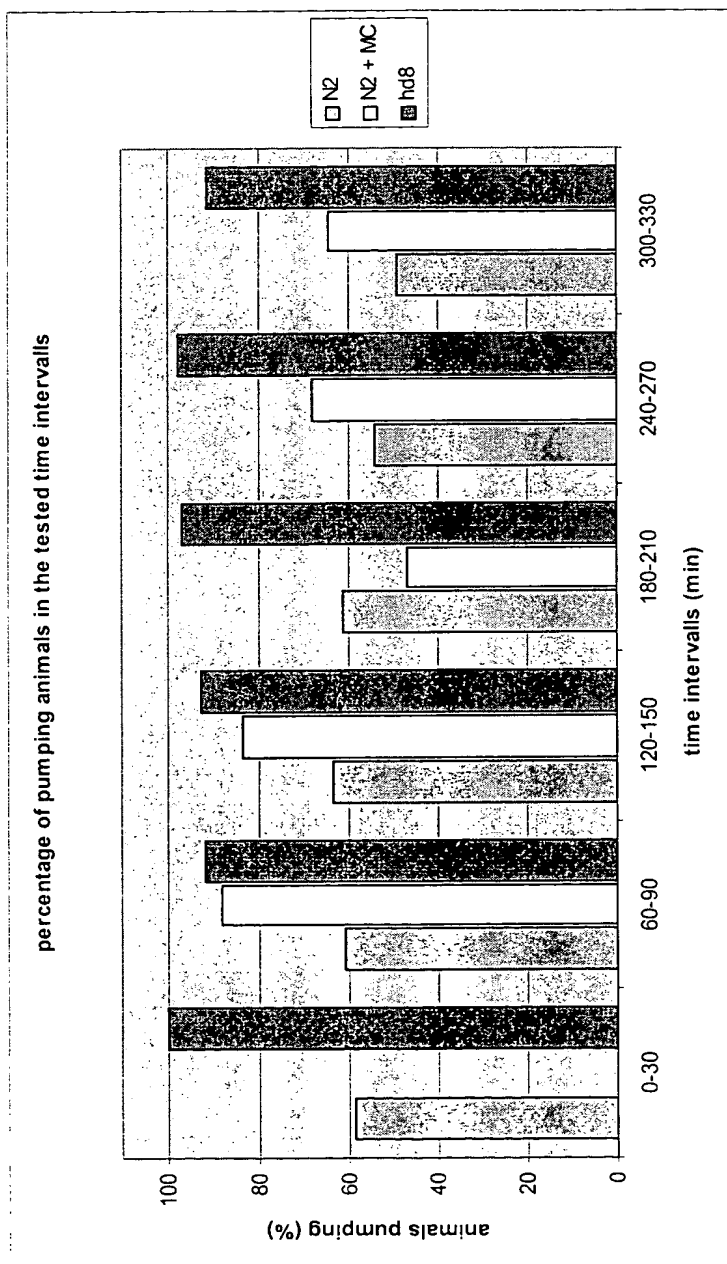
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FIG. 14.



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FIG. 15.

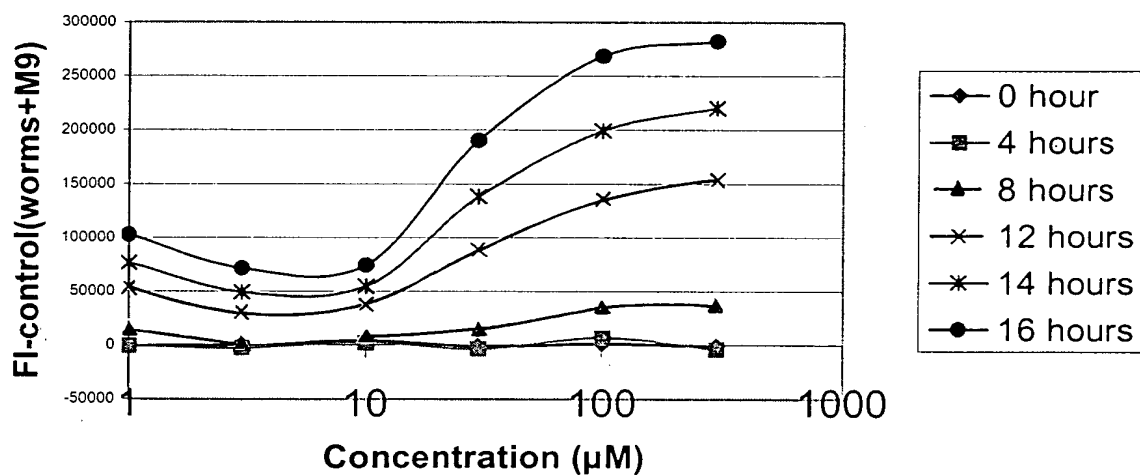




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FIG. 16.

# Egg laying kinetic with N2 in presence of Clomipramine

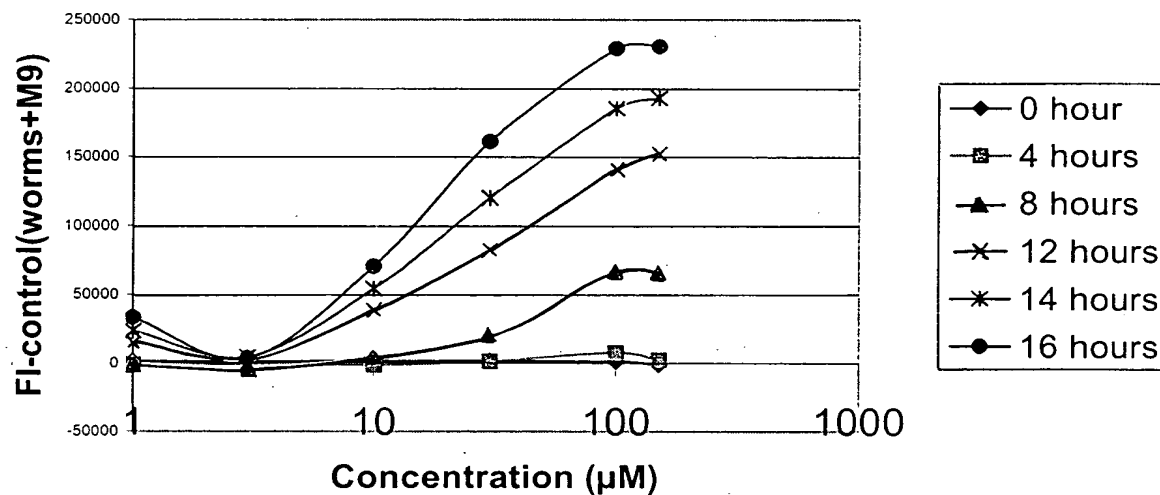


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FIG. 17.

## Egg laying kinetic with N2 in presence of Fluoxetine



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FIG. 18.

Reduction of pharynx pumping by the insecticide Picotoxinin

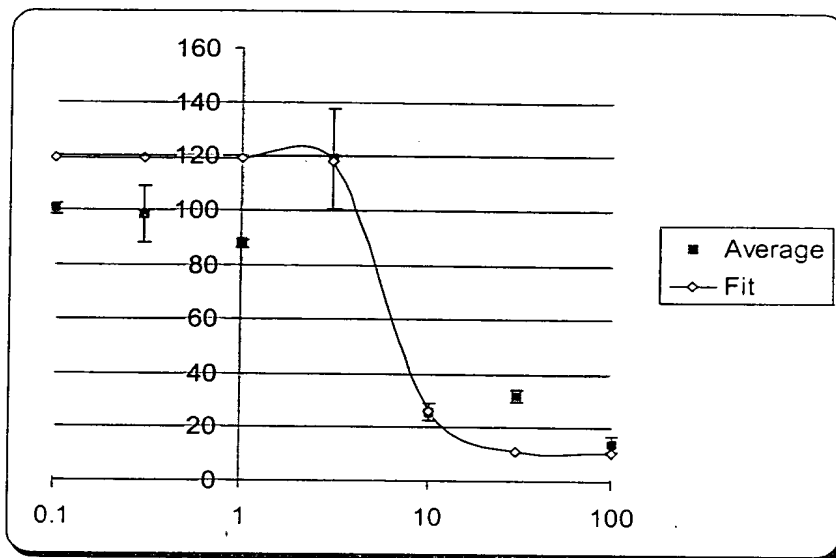
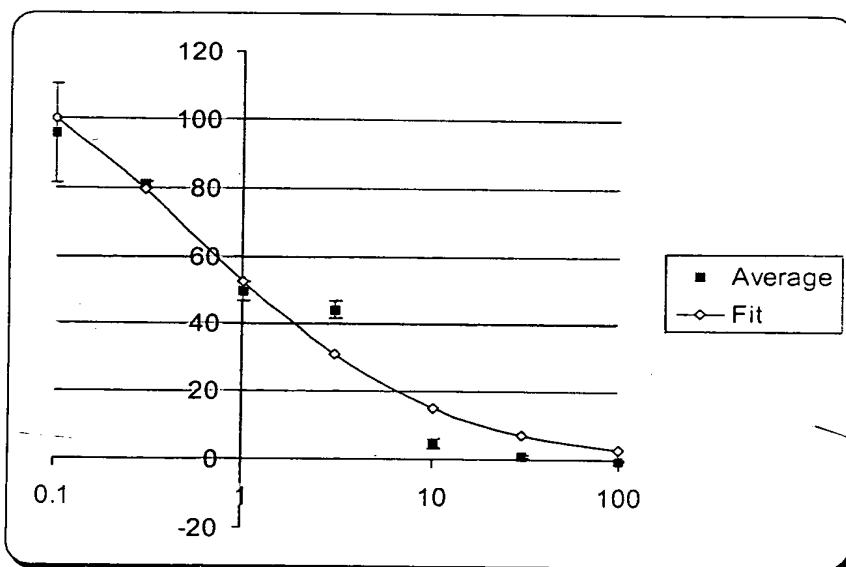


FIG. 19.

Reduction of pharynx pumping by the insecticide Rotenone



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FIG. 20.

Reduction of pharynx pumping by the insecticide dieldrin

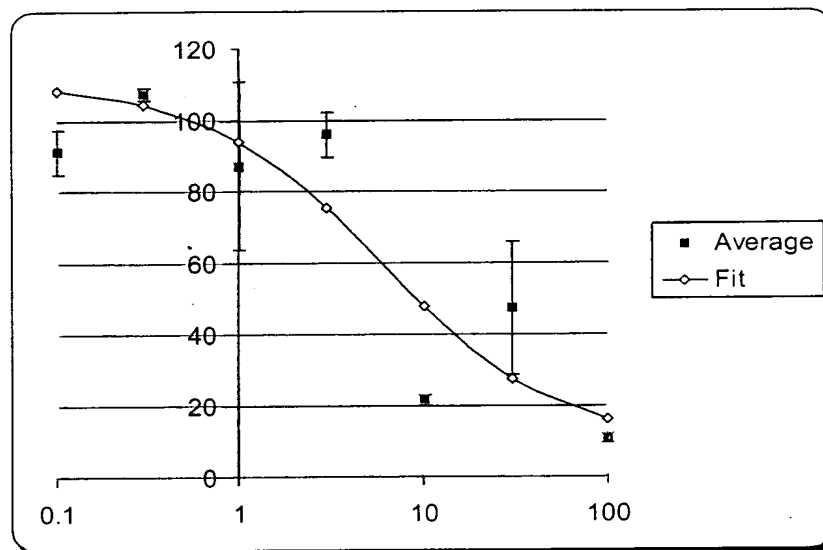


FIG. 21.

Reduction of pharynx pumping by the insecticide ivermectin

